## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 16 June 2005 (16.06.2005)

PCT

## (10) International Publication Number WO 2005/053430 A1

- (51) International Patent Classification7: A23L 1/03, 1/30, C12R 1/225, C12N 1/20, C12R 1/23
- (21) International Application Number:

PCT/EP2004/013582

(22) International Filing Date:

30 November 2004 (30.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: MI2003A002391 5 December 2003 (05.12.2003)

- (71) Applicant (for all designated States except US): CON-SIGLIO NAZIONALE DELLE RICERCHE (IT/IT): Piazzale Aldo Moro, 7, I-00185 Roma (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LAVERMIC-OCCA, Paola [IT/IT]; Istituto di Scienze delle Produzioni Alimentari, Viale Einaudi, 51, I-70125 Bari (IT). LON-IGRO, Stella, Lisa [IT/IT]; Istituto di Scienze delle Produzioni Alimentari, Viale Einaudi, 51, I-70125 Bari (IT). VISCONTI, Angelo [IT/IT]; Istituto di Scienze delle Produzioni Alimentari, Viale Einaudi, 51, I-70125 Bari (IT). DE ANGELIS, Maria [IT/IT]; Istituto di Scienze delle Produzioni Alimentari, Viale Einaudi, 51, I-70125 Bari (IT). VALERIO, Francesca [IT/IT]; Istituto di Scienze delle Produzioni Alimentari, Viale Einaudi, 51, I-70125 Bari (IT). MORELLI, Lorenzo [IT/IT]; Istituto di Scienze delle Produzioni Alimentari, Viale Einaudi, 51, I-70125 Bari (IT).

- (74) Agents: MINOJA, Fabrizio et al.; Bianchetti Bracco Minoja S.r.l., Via Plinio, 63, I-20129 Milano (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of
- with (an) indication(s) in relation to deposited biological material furnished under Rule 13bis separately from the description

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TABLE OLIVES CONTAINING PROBIOTIC MICROORGANISMS

(57) Abstract: The invention relates to table olives enriched with probiotic microorganisms, in particular lactobacilli and bifidobacteria, food products containing them and a method for their preparation. The olives and food products of the invention provide an amount of microorganisms sufficient to exert a beneficial action on the gastro-intestinal tract and are particularly advantageous whenever administration of probotic food products of animal origin, in particular milk derivatives, is not possible.